

10/590289

IAP9 Rec'd PCT/PTO 23 AUG 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **Hiroshi YOSHIDA et al.**

Application Number: **Not yet assigned**
(§371 of international application No. PCT/JP2005/003196)

Filed: **August 23, 2006**

For: **TRANSPARENT FERROMAGNETIC COMPOUND CONTAINING
NO MAGNETIC IMPURITY SUCH AS TRANSITION METAL OR
RARE EARTH METAL AND FORMING SOLID SOLUTION WITH
ELEMENT HAVING IMPERFECT SHELL, AND METHOD FOR
ADJUSTING FERROMAGNETIC CHARACTERISTICS THEREOF**

Attorney Docket Number: **062814**
Customer Number: **38834**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

August 23, 2006

Sir:

In compliance with 37 C.F.R. §1.56, Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached PTO/SB/08. A copy of each non- U.S. document is enclosed herewith as well as an International Search Report mailed May 10, 2005.

If there are any fees due in connection with the filing of this paper, please charge Deposit Account No. 50-2866.

Respectfully submitted,

WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP



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Enclosure: PTO/SB/08, Documents (18) & Int'l Search Report

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Combined Form PTO/SB/08A&B <u>INFORMATION DISCLOSURE</u> <u>STATEMENT BY APPLICANT</u> <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>			
				Application Number		Not yet assigned	
				Confirmation Number			
				Filing Date		August 23, 2006	
				First Named Inventor		Hiroshi YOSHIDA et al.	
				Art Unit			
Examiner Name							
Sheet	1	of	2	Attorney Docket Number		062814	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
	1	US 2004/0112278	A1	6/17/2004	Yoshida et al.
	2	US 6,537,369	B1	3/25/2003	Matsushita Electric Industrial Co., Ltd.
	3	US 5,169,799		12/8/1992	Sumitomo Electric Industries, Ltd. et al.

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
	4	WO	02/070793	A1	9/12/2002	Japan Science and Technology Corp.	Abstract; Cited in ISR; Corresponds to #1
	5	JP	2001-130915	A	5/15/2001	Rohm Co Ltd	Abstract; Cited in ISR
	6	WO	01/73852	A1	10/4/2001	Matsushita Electric Industrial Co., Ltd.	Abstract; Cited in ISR; Corresponds to #2
	7	JP	4-216616	A	8/6/1992	ATR Koudenpa Tsushin Kenkyusho:KK	Abstract; Cited in ISR
	8	JP	1-234400	A	9/19/1989	Seisan Gijutsu Shinko Kyokai Sumitomo Electric Ind Ltd	Abstract; Cited in ISR; Corresponds to #3
	9	JP	2004-335623	A	11/25/2004	Japan Science and Technology Agency	Abstract; Cited in ISR
	10	JP	2001-72496	A	3/21/2001	Japan Science and Technology Corp	Abstract; Cited in specification
	11	JP	2002-255695	A	9/11/2002	Japan Science and Technology Corp	Abstract; Cited in specification
	12	JP	2002-255698	A	9/11/2002	Japan Science and Technology Corp	Abstract; Cited in specification
	13	JP	2002-260922	A	9/13/2002	Japan Science and Technology Corp	Abstract; Cited in specification
	14	JP	2003-318026	A	11/7/2003	National Institute of Advanced Industrial & Technology	Abstract; Cited in specification
	15	JP	2003-137698	A	5/14/2003	Ulvac Japan Ltd	Abstract; Cited in specification

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
	16	J. KREISSL et al., "Vanadium centers in ZnTe crystals. II. Electron paramagnetic resonance", Physical Review B, Vol. 53, No. 4, pp. 1917-1926, January 15, 1996	
	17	KAZUNORI SATO et al., "Material Design of GaN-Based Ferromagnetic Diluted Magnetic Semiconductors", Jpn.J.Appl.Phys., Vol. 40, pp. L485-L487 May 2001	
Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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NON PATENT LITERATURE DOCUMENTS			
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	18	KAZUNORI SATO et al., "Stabilization of Ferromagnetic States by Electron Doping in Fe-, Co- or Ni-Doped ZnO", Jpn.J.Appl.Phys., Vol. 40, pp. L334-L336, April 2001	Yes
	19	MASAYOSHI SEIKE et al., "Magnetism in 4d transition metal doped ZnO and GaN", The Institute of Scientific and Industrial Research, Osaka Univ., 50 th Applied Physics Institute Seminar, Vol. 50, No. 1, p. 525, 3/27/2003	No
	20	MASAYOSHI SEIKE et al., "Magnetism in 4d transition metal doped ZnO and GaN", The Institute of Scientific and Industrial Research, Osaka Univ., 64 th Applied Physics Institute Seminar, Vol. 64, No. 1, p. 415, 8/30/2003	No
	21	OYUKI OHISHI et al., "A design of a method to raise Curie temperature by delta-doping and codoping", Osaka University, 64 th Applied Physics Institute Seminar, Vol. 64, No. 1, p. 416, 8/30/2003	No
	22	International Search Report mailed May 10, 2005 of International Application PCT/JP2005/003196	

Examiner Signature	Date Considered
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